

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A white light-emitting device, comprising:

a light-emitting diode emitting one of blue and blue-green color;

a first phosphor capable of emitting a yellow light with 520 to 580 nm wavelength upon excitation by the light-emitting diode, the formula of the first phosphor being $(Y_xM_yCe_z)Al_5O_{12}$, where $x + y = 3$, x and $y \neq 0$, $0 < z < 0.5$, and M is selected from a group consisting of Tb, Lu and Yb, wherein $(Y_xM_yCe_z)Al_5O_{12}$ is host matrix and Ce is luminescence center;

a second phosphor capable of emitting a red light with 580 to 640 nm wavelength upon excitation by the light-emitting diode, the formula of the second phosphor being $(M'_aEu_b)S$, where $1 \leq a+b \leq 1.2$, a and $b \neq 0$, and M' is selected from a group consisting of Ca, Sr and Ba, wherein M' is host matrix and Eu is luminescence center;

the light from the light-emitting diode and the two phosphors being mixed to provide a white light.

2. (Original) The white light-emitting device as in claim 1, wherein the light-emitting diode emits a light of 450-500nm wavelength, preferably 470-500nm wavelength

3-4. (Cancelled)

5. (Original)The white light-emitting device as in claim 1, wherein the two phosphors are further mixed with a packaging material and each of the phosphors has a mixing ratio to change the color temperature and color rendering property of the white light-emitting device.